

SWP Water Quality Summary

February 27 to March 5, 2008

Total Dissolved Solids: TDS decreased at Banks Pumping Plant (BPP), and Check 41, but increased at Check 29, Devil Canyon, Barker Slough and Vallecitos. Concentrations ranged from 234 mg/L to 362 mg/L (390 uS/cm to 603 uS/cm) and remained below the Article 19 Monthly Average Objective of 440 mg/L. The highest concentration of 362 mg/L (603 uS/cm) occurred at Barker Slough while the lowest concentration of 234 mg/L (390 uS/cm) occurred at Check 29 on March 5, 2008. Concentrations peaked at Barker Slough to 374 mg/L (632 uS/cm) on March 1, 2008. Concentrations decreased at BPP from 288 mg/L to 262 mg/L (480 uS/cm to 437 uS/cm), this week.

Bromide: Concentrations remain above the California Bay Delta Authority (CBDA) Objective of 0.05 mg/L project wide, ranging from 0.17 mg/L to 0.34 mg/L. As of March 5, Check 29 had the lowest concentration of 0.17 mg/L, followed by Vallecitos with 0.18 mg/L while the highest concentration of 0.34 mg/L occurred at Barker Slough. The concentration at BPP decreased slightly from 0.24 mg/L to 0.21 mg/L as of March 5, 2008.

Turbidity: Turbidity levels increased at BPP from 16 NTU to 35 NTU, from 71 NTU to 85 NTU at Barker Slough, and at Vallecitos from 26 NTU to 32 NTU, but decreased at Check 41 from 6 NTU to 5 NTU and from 1 NTU to 0.9 NTU at Devil Canyon. Turbidity levels were unchanged at Check 29 (7 NTU), this week. There was a spike in turbidity levels at Barker Slough (88 NTU) and BPP (65 NTU) on March 2 and 3, 2008, respectively.

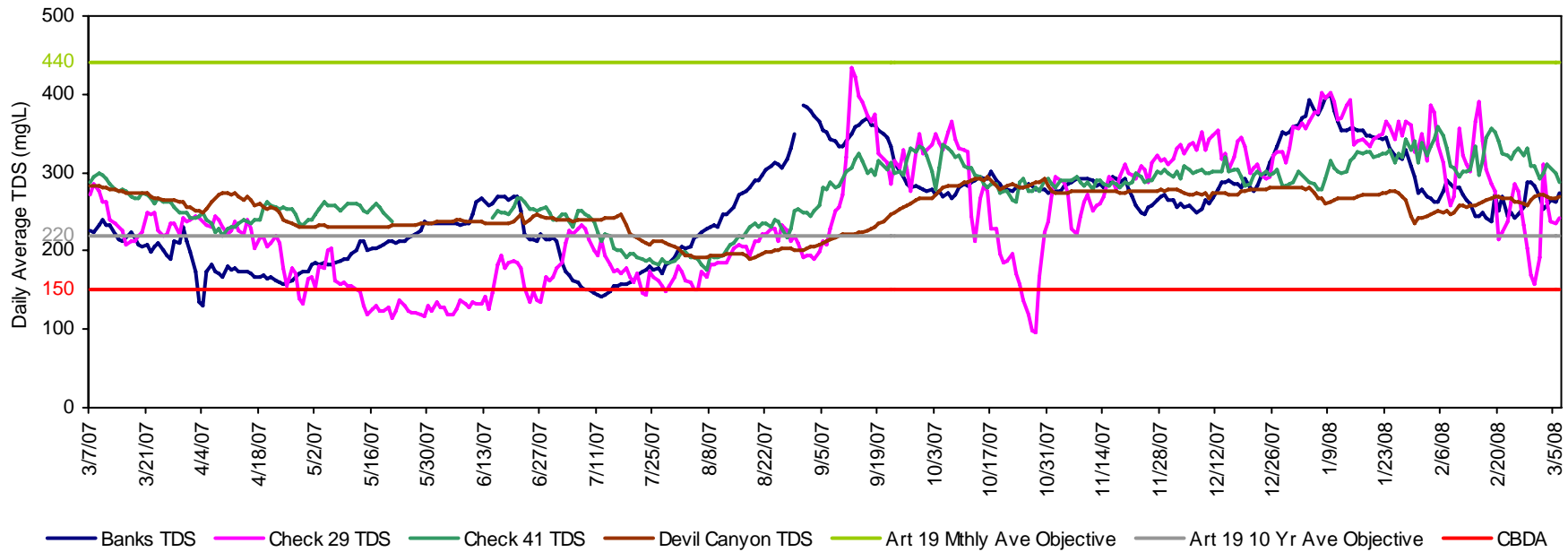
Dissolved Organic Carbon: Concentration increased at BPP from 6.2 mg/L to 6.4 mg/L, from 7.8 mg/L to 7.9 mg/L at Check 13, but increased from 2.8 mg/L to 2.6 mg/L at Edmonston, respectively, this week. However, concentrations at BPP and Check 13 exceeded the CALFED TOC Objective of 3.0 mg/L.

Taste and Odor Compounds: MIB and geosmin continue to be low project wide, ranging from non-detect to 5 ng/L at BPP, Del Valle Check 7, San Luis Reservoir Tower, Pacheco Pumping Plant, and O'Neill Forebay Outlet, as of February 25, 2008.

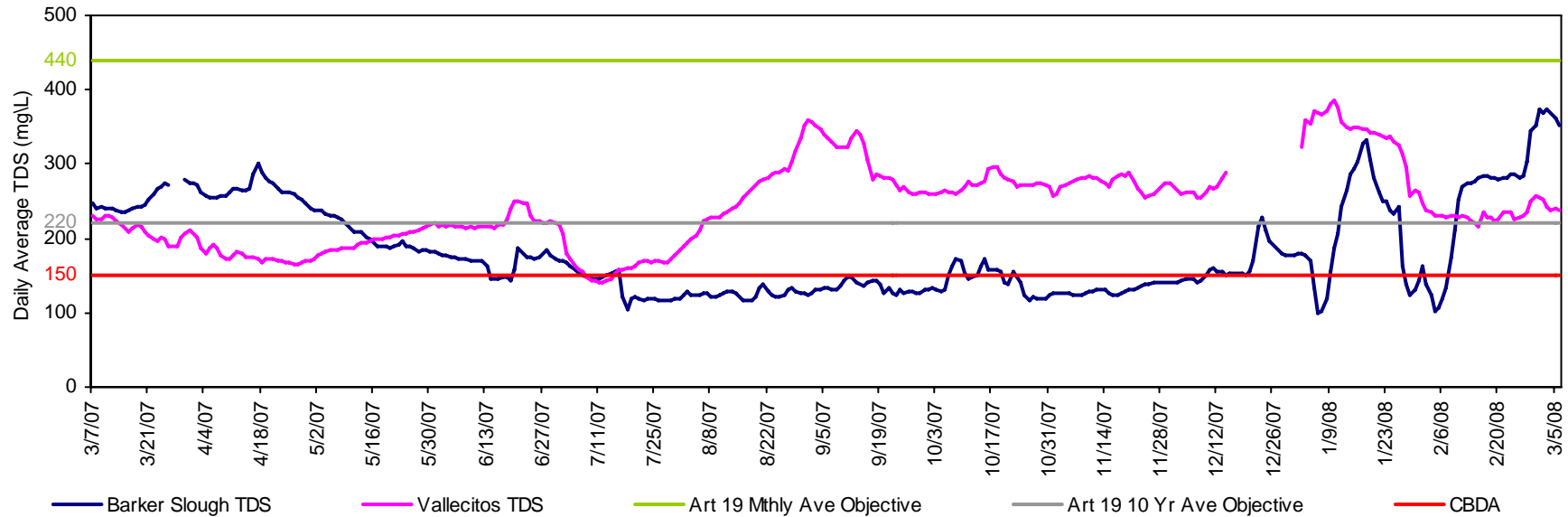
Note:

The intent of the weekly water quality (WQ) summary is to acquaint contractors, scientist and interested parties with the status of water quality in the State Water Project (SWP). Your comments, questions and suggestions are welcome and can be directed to Austine Eke @ 916-653-7227 or Cindy Garcia @ 916-653-7213. To view WQ data from any of the 15 automated stations along the SWP, visit: <http://www.womwq.water.ca.gov> and click the "Autostation Data" link on the left side navigation bar.

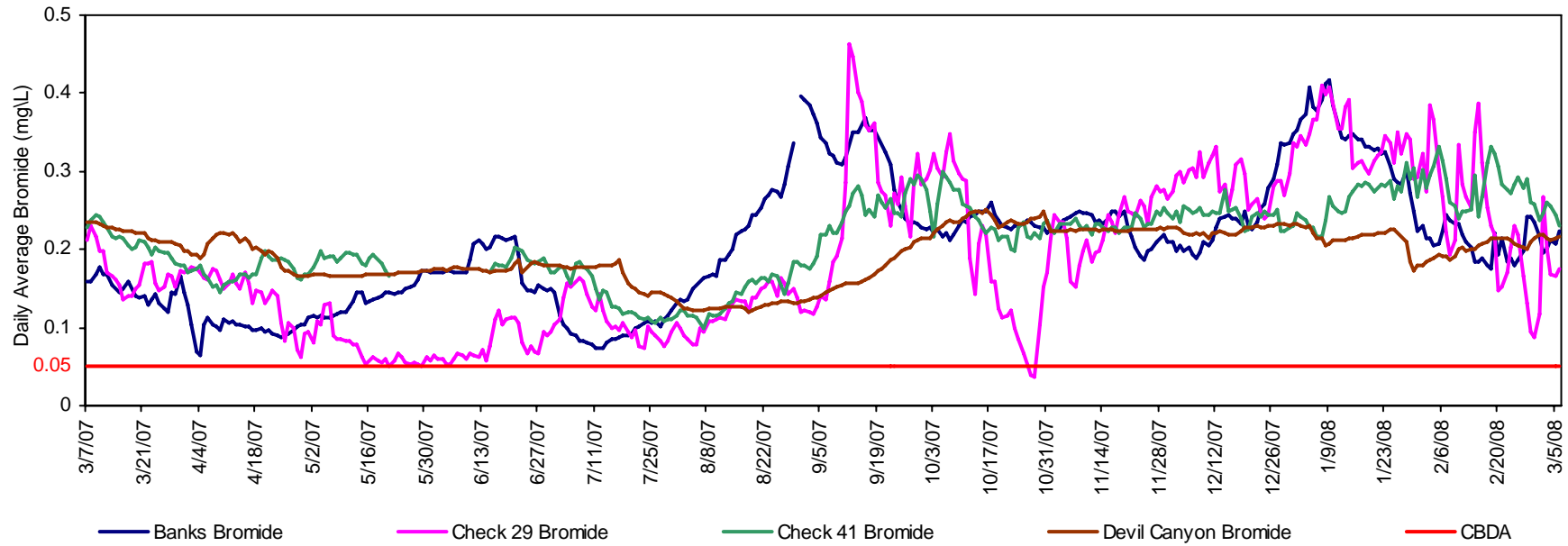
California Aqueduct - Calculated Total Dissolved Solids



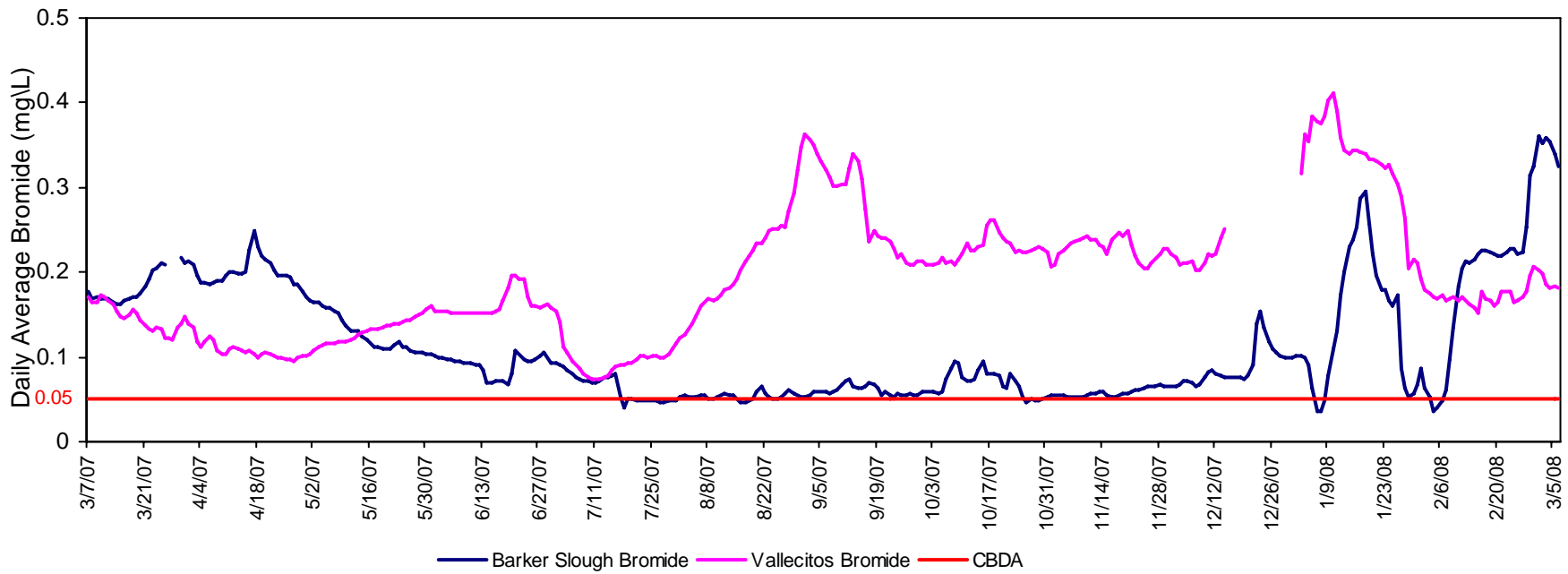
North and South Bay Aqueduct - Calculated Total Dissolved Solids



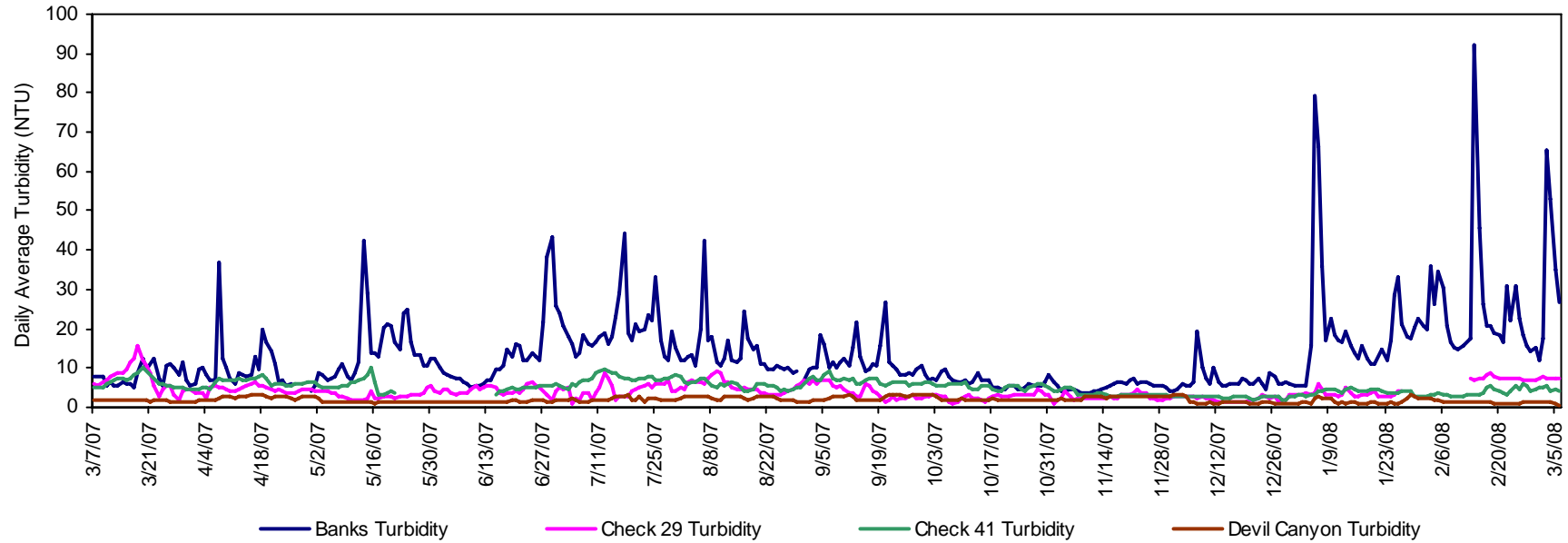
California Aqueduct - Calculated Bromide



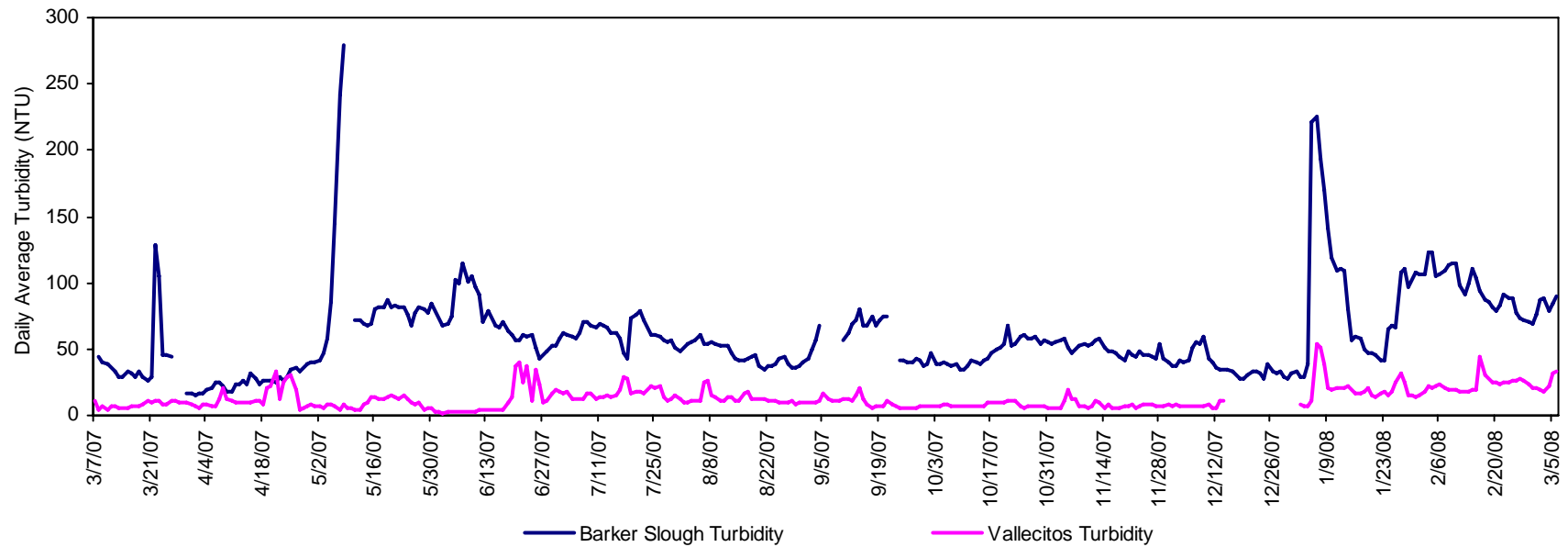
North and South Bay Aqueduct - Calculated Bromide



California Aqueduct - Turbidity



North and South Bay Aqueduct - Turbidity



California Aqueduct Calculated Dissolved Organic Carbon

